

 **Leuze electronic**

HVS
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the **sensor** people

Intelligent fastening concepts

Solutions for the efficient mounting
of sensors



Without the **right mounting bracket**,
there's no point.

Only intelligent fastening concepts make really
efficient sensor use possible.

Sometimes the efficiency of a solution depends on small, supposedly unimportant factors. The intelligent and flexible fastening of a sensor can be exactly that kind of factor. This is why our development engineers work not only with innovative sensor technology, but also with clever fastening concepts.

These range from plain but highly functional mounting brackets to complex solutions, e.g. for large sensors or safety light curtains. And the result can appear to be very simple. This is how our 318B series will win you over, e.g. with the *omni-mount* integrated mounting and alignment solution – and this at no additional cost. Only one of many examples that the best solution doesn't always have to be the most expensive one.

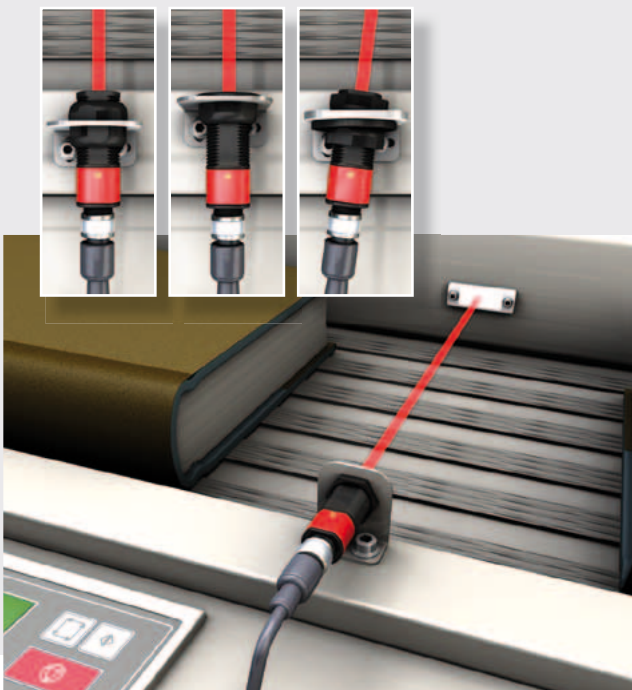


Simple but **effective.**

Mounting brackets and *omni-mount*

Even such a seemingly unimportant piece like a mounting bracket can considerably influence mounting. Leuze electronic brackets are therefore equipped with two opposed threaded holes which make easy alignment possible. The *omni-mount* system, with its intelligent mounting nuts, also enables the sensor to be aligned in any way desired.

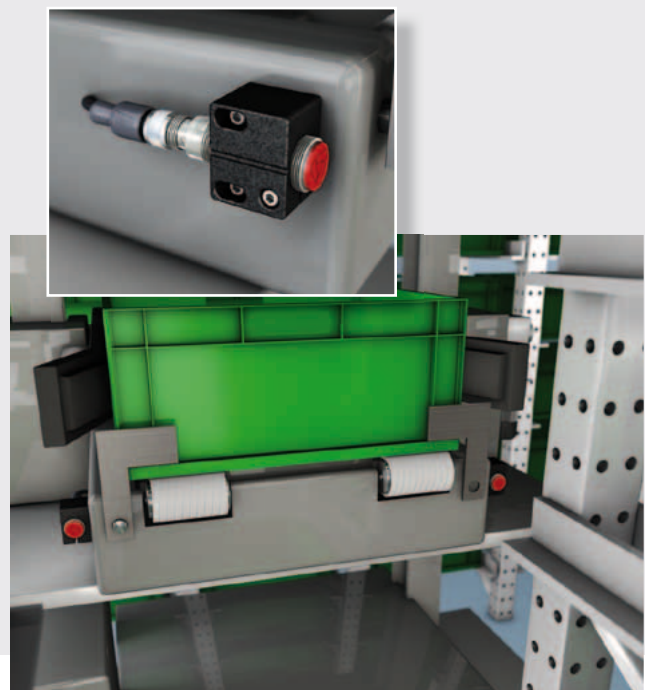
- Economical fastening
- Fine adjustment possible by turning the angle base
- With the *omni-mount* system: fastening and alignment with supplied plastic nuts



Clamp brackets

Compared to fastening with screws, clamping saves much time and alignment effort during mounting or a possible device change. This reduces downtimes and saves money.

- Stable design
- Mounting that saves time and money
- Integrated limit stop guarantees exact sensor positioning even when the device is exchanged and eliminates the need for tedious realignment

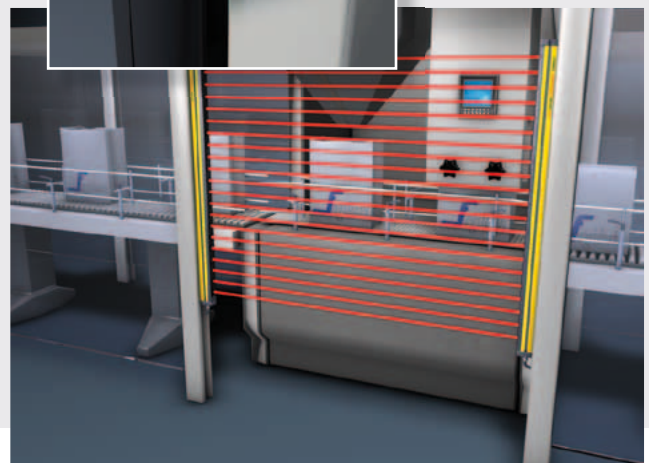
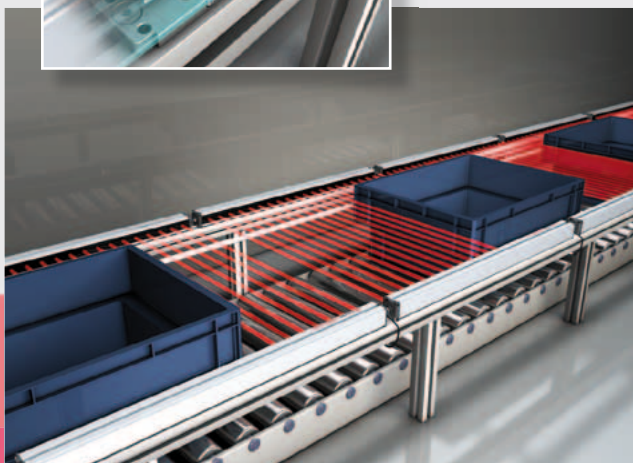


Reliable grooves and large sensors.

Groove fastening

With fastening of a light curtain or a protective photoelectric sensor in an existing or retrofitted profile groove, very robust but still flexible mounting is possible. Free positioning of the sensor in the groove enables quick alignment and front fastening prevents tedious work on poorly visible areas.

- Free positioning of the sensor in the profile groove
- Universal fastening on the machine e.g. in existing profile grooves or mounting of profile grooves on any housing wall
- Two-part bracket design enables integration into even the smallest installation space
- The swiveling design allows the exact alignment of transmitter and receiver units

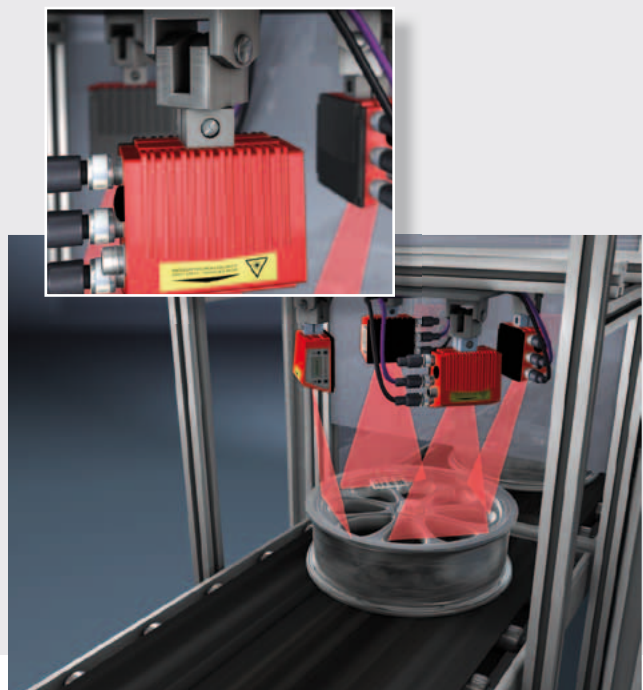
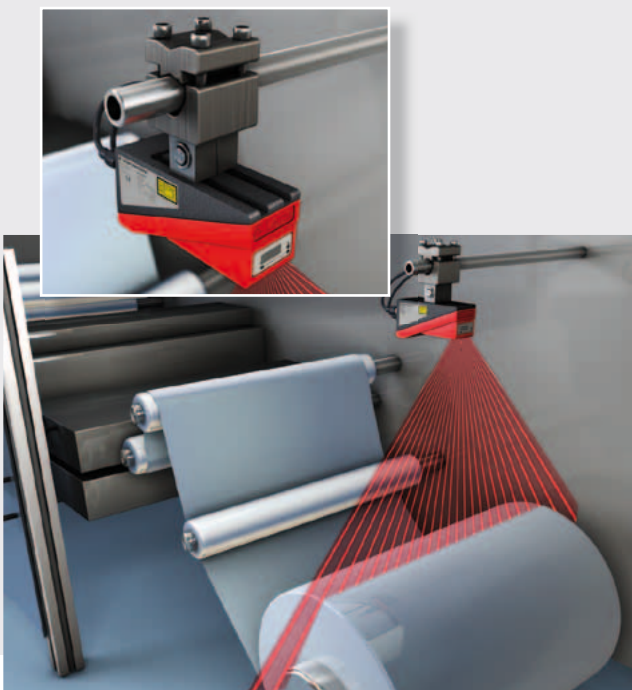


Easily install large sensors.

Even large and correspondingly heavy sensors can only reliably fulfill their tasks if they are safely and stably mounted. Intelligent fastening solutions must also make it possible to align sensors without a problem.

Mounting devices on stable rods or standard profiles, for example, fulfill this task at Leuze electronic.

- Very easy mounting on the sensor with dovetail clamping
- Precise alignment of the sensor on two levels enables the best possible adaptation to the measuring task
- Stable metal design easily holds even very large devices

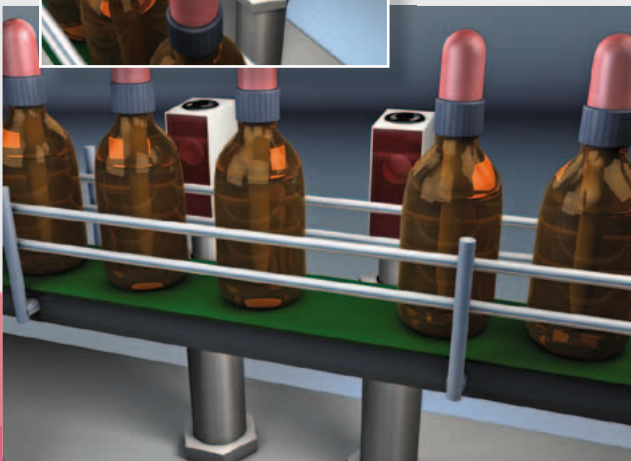


Cleanliness has top priority.

Fasteners for the food and pharmaceutical industry

In these industries, mounting systems must not only allow for easy and reliable fastening, but must also fulfill the highest hygiene standards. High-quality stainless steel, reliable seals and intelligent screw fittings without dirt pockets are therefore in demand to ensure success in these sectors.

- Stainless steel fastening systems for rods or sensor holders with 12 mm diameter
- Inner clamping for the highest stability and easiest positioning and alignment
- Integrated cleaner-resistant seals prevent the intrusion of contamination and liquids
- Stainless steel V4A (AISI 316L) for applications in the food or pharmaceutical packaging industries



Easy mounting and **reliable** protection.

Universal mounting system

Most of our sensors can be integrated quickly, reliably and exactly into your applications thanks to a universal installation system. The stable metal design also withstands vibrations and holds the sensors reliably in place.

- Universal sensor fastening on rods (diameter 10 mm, 12 mm or 14 mm)
- Align and fasten the sensor exactly on all three levels
- Precise alignment through two-level mounting (select mounting location and clamp fixing components)
- Compact design

Protective cover

Sensors are exposed to sometimes extreme environmental effects in the tough everyday world of industry. In addition to robust housings and stable fastenings, we therefore offer specially-designed protective covers which you can retrofit at any time.

- Robust metal cover protects the sensor
- Sensor is aligned and secured independent of the protective cover (easily accessed)
- The protective cover is mounted afterwards and can be re-assembled at any time
- Fastening on rods of various diameters (10 mm, 12 mm or 14 mm)



Optoelectronic Sensors

Cubic Series
Cylindrical Sensors, Mini Sensors, Fiber Optic Sensors
Measuring sensors
Special Sensors
Light curtains
Forked Sensors
Double Sheet Monitoring, Splice Detection
Inductive switches
Accessories

Identification Systems

Data Transmission Systems

Distance Measurement

Bar Code Readers
RF-IDent Systems
Modular Interfacing Units
Industrial Image Processing Systems
Optical Data Transmission Systems
Optical Distance Measurement/Positioning
Mobile code readers

Safety Sensors

Safety Systems

Safety Services

Safety Laser Scanner
Safety Light Curtains
Transceivers and Multiple Light Beam Safety Devices
Single Beam Safety Devices
AS-i-Safety Product Range
Safety Sensor Technology for PROFIBUS DP
Safety Switches, Locking Devices, Command Devices
Safety relays/controllers
Sensor Accessories and Signal Devices
Safety Engineering Software
Machine Safety Services

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